

63-10855

Issendorff, I. v. and Fleischmann, R.
POLARIZATION OF THE FIELD EMITTED ELECTRONS FROM LONGITUDINALLY MAGNETIZED IRON.
[1962] 12p. 11 refs.
Order from SLA \$1.60 63-10855

I. Issendorff, II. v.
II. Fleischmann, R.

Trans. of Zeitschrift für Physik (West Germany) 1962,
v. 167, p. 11-19.

DESCRIPTORS: *Field emission, *Electrons, Electron
beams, *Polarization, *Ferromagnetic materials, Iron.

(Physics--Electronics, TT, v. 10, no. 1)

Office of Technical Services

REC (UCRL-Trans-1445) ANTIPARALLEL WEISS
DOMAINS AS BIPRISMS FOR ELECTRON INTERFERENCE.
PART II, Boersch, H.; Hamisch, H.; Grohmann, K.; Wohlleben,
D. Translated for Univ. of California Lawrence Radiation Lab.,
Berkeley, from Z. Phys.: 167: 72-82(1962). 2014p. 24Dep.
NTIS.

25

26physics; translations 2720

28MN-34 29P NSA

REF ID: A66044 (SC-T-713054) THERMODYNAMIC EQUILIBRIUM IN
SPARK PLASMAS. Krempl, H. 10 Translated for Sandia Labs.,
Albuquerque, N. Mex., from 15 Z. Phys.: 167: 302-25(1962). 20 35p.
24 Dep. NTIS,

25

26 physics (plasma); translations 27 201

28 MN-34 29 P NSA

An Interferometer for Slow Neutrons, by
H. Maier-Leibnitz and T. Springer, 23 pp.
GERMAN, per, Z. Phys, Vol 167, 1962,
pp 386-402.
P911006068
AND ORNL-TR-1815

Sci-Physics
Feb 68

347,505

Haasen, P.
ON THE PLASTIC DEFORMATION OF GERMANIUM
AND InSb. [1962] [11]p. 21 refs.
Order from SLA \$1.60 62-20332

Trans. of Zeitschrift für Physik (West Germany) 1962,
v. 167, 115-117, p. ~~461-462~~.

DESCRIPTORS: Plasticity, *Deformation, *Germanium,
*Indium alloys, *Antimony alloys, *Semiconductors,
Crystals, Stresses, Elasticity, X-ray spectroscopy,
Crystal lattice defects, *Intermetallic compounds.

(Physics--Solid State, TT, v. 9, no. 10)

62-20332

I. Haasen, P.

Office of Technical Services

Hilsch, R., Kora, D. and Minnigerode, G. V.
ON THE MAGNETIC DETECTION OF THE SUPER-
CONDUCTIVITY OF EVAPORATED METAL FILMS.
[1963] [12p] 6refs
Order from SLA \$1.60 63-20353

Trans. of Zeitschrift für Physik (West Germany)
1962, v. 187, p. 301-310.

DESCRIPTORS: *Thin films, *Metal films, Vapor
plating, *Lead, *Thin, Films, *Superconductivity,
*Ferromagnetism, Transition temperature, Measure-
ment, Test equipment, Magnet coils, Cryocata.

There is described an apparatus for the detection of
superconductivity and ferromagnetism of a single
evaporated film in the temperature range from 1.8° to
300°K. The observation of the magnetic moment of
the film in a homogenous alternating magnetic field is
(Physica--Electricity, TT, v. 10, no. 11) (over)

63-20353

I. Hilsch, R.
II. Kora, D.
III. Minnigerode, G. V.

Office of Technical Services

Precision Mass Determinations with the
Electric Mass Filter, by U. von Zahn.
GERMAN, per, Zeit fur Physik, Vol 168,
No 2, 1962, pp 129-142.
CIA X-7028

May 69

382,359

On the Dynamics of Reacting Cases, by W. Frie, H. Maecker.
GERMAN, per, Z fuer Physik, Vol C.LXVIII, 1962,
pp 206-226.

NASA TT F-8447

Sci - Phys
Fuels % Propulsion
feb 64
U. S. GOVERNMENT ONLY

250,197

The β -Spectrum of CS-137, by H. Daniel, H. Schmitt,
8 pp.
GERMAN, per, Z fuer Physik, Vol CLXVIII, 1962,
pp 292-297. 9223465
AEC-Tr-6424

Sci-Phys
Oct 64

.267,606

Magnetic Moments of 5 Levels of
Sn¹¹⁸ and Sn¹²⁰, by E. Bodenstedt.
GERMAN, per, Zeitschrift fuer Physik,
Vol 168, 1962, pp 370-385
NTC 72-12043820C

June 72

63-20355

Eicher, Hermann.
HYPERFINE STRUCTURE OF NUCLEAR ENERGY
LEVELS IN THE ION CRYSTALS OF RARE EARTHS.
[1963] 38p 34refs
Order from SLA \$8.60 63-20355

I. Eicher, II.

Trans. of Zeitschrift für Physik (West Germany) 1962
v. 169, 178-197.

DESCRIPTORS: *Hyperfine structure, *Rare earths,
Ions, Crystals, *Nuclear energy levels, Electrons,
Nuclei, Crystal lattice, Relaxation time, Nuclear
moments

Topics include: the Hamilton operator for the inter-
action of the nuclear moments with the electron system;
the interaction between electrons and crystal field; in-
teraction of the electrons with the nucleus; the quanti-
tative partitioning of the nuclear energy level in the
case of a general multipole interaction between the
(Nuclear Physics--Nuclear Structure, TT, v. 10, no. 12)
(over)

Guide to Technical Services

Energy Losses of Electrons in Metals in the Different States of Aggregation -- Measurements on Silver and Mercury, by H. Boersch, J. Geiger, 18 pp.

GOVERNMENT USE ONLY

GERMAN, per, Zeitschrift fur Physik, No 169, 1962, pp 252-262.

ARM/FSTC/HT-23-645-71

Aug 71

Radial Potential Distribution in High Tension
Arcs, by H. Ringler.
GERMAN, per, Zeitschrift für Physik, Vol 169,
1962, pp 273-285,
BISI 4536

EE-Germany
Sci/HEM
Feb 66

294,646

Investigations of Superconductivity in the
Niobium-Aluminium System, by K. Rætz, E. Saur.

GERMAN, per, Z. fuer Physik, Vol CLXIX, No 2,
1962, pp 315-322.

*AERE, Harwell 1722

Sci - Chem
Nov 62

Available as AEI T/1829

Recent Conductivity Measurements on Stressed H₂O
Crystals, by B. Jaszczak, J. Klus, 4 pp.
GERMAN, per, Zeits fur Phys, Vol (LXIX, 1962,
pp 323-325. 9027331
ACSIIL/64/433

Sci - Phys
May 65

230,360

TT-64-22219

Sander, W.
ELECTRON SPIN RESONANCE OF OXYGEN-CONTAIN-
ING CENTRES IN POTASSIUM CHLORIDE (Elek-
tronenspektroskopie von Kaliumchlorid mit
Sauerstoffhaltigen Zusätzen) D. A. Sinclair, tr. 1964,
14p 14refs NRC Technical Trans. 1120.
Order from NRC \$1.00 NRC C-4882

Trans. of Zeitschrift für Physik (West Germany) 1962,
v. 169, no. 3, p. 358-363.

- I. Sander, W.
- II. NRC-TT-1120
- III. NRC-C-4882
- IV. National Research
 Council of Canada,
 Ottawa

(Physics--Solid State, TT, v. 12, no. 5)

Office of Technical Services

Composition and Properties of the Natural Radio-
active Aerosols, by P. H. Wieser, K. Stierstade,
31 pp.
GERMAN, per, Z fuer Physik, Vol CLXIX, 1962,
pp 386-408. 9223478
AEC-Tr-6423

Sci-Phys
Oct 64

267,334

TT-63-20348

Andress, Bernhard.
ON THE LUMINESCENCE AND ABSORPTION OF ZnO
CRYSTALS. [1963] 18p (figs omitted) 21 refs
Available on loan from SLA TT-63-20348

I. Andress, B.

Trans. of Zeitschrift für Physik (West Germany) 1962,
v. 170, p. 1-21.

DESCRIPTORS: *Single crystals, *Zinc compounds,
Oxides, *Crystal structure, *Luminescence, Absorp-
tion spectrum, Spectra (Visible and ultraviolet), Re-
fractive index, Temperature, Electrical conductance,
Impurities

The spectral distribution and polarization of lumines-
cence radiation of synthetic ZnO crystals with various
additions, with excitation by electrons, is investigated
in the long-wavelength ultraviolet and green spectral
range as a function of the temperature and conductivity.
Measurements of the absorption constants for polarized
(Physics--Solid State, TT, v. 11, no. 1) (over)

Office of Technical Services

Measurement of Chain Length for β -Decay of
Fission Products in Thermal Fission of U^{235} , by
P. Armbruster, H. Meister, 28 pp.

GERMAN, per, Zeitschrift fuer Physik, Vol. LXX,
No 3, 1962, pp 274. 9207629

AEC-Tr-5655

Sci - Phys
Jun 63

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Theory of the Spontaneous Magnetization of Small
Ferromagnetic Particles, by Wolfgang Hellenthal, 23 pp.
GERMAN, per, Z fuer Physik, Vol CLXX, 1962,
pp 303-319. 9226672
~~XXXXXXXX~~
AEC-UCRL-Tr-1112(L)

Sci-Phys
Feb 65

273,189

Focusing Collision Sequences in Face-Centered Cubic
Crystals, by P. H. Dederichs, G. Leiberman, et al.

GERMAN, part, Zeitschrift fuer Physik, Vol 182K,
1962, pp 320-335. 9207222

ASO/RF 22-965

Sci - Phys

232,200

May 63

On the Behavior of the 4f-Electrons in Some Rare
Earth Metals Under the Influence of Light, by
Armin Tannhauser, 12 pp.

GERMAN, per, Z fuer Physik, Vol CLXX, 1962,
pp 526-532. 9217210

~~SECRET~~
AEC-UCRL-Tr-1001

Sci - Phys
Jan 64

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Production of New Isomeric States Through Photonuclear
Reactions in Antimony and in Thallium, by R. Engelmann.
GERMAN, per, Z. Physik, Vol 168, 1962, pp 544-552.
*AEC/ORNL-Tr-2553

Feb 72

The Nuclear Resonance Absorption of the 113
keV Gamma Rays of BF^{177} , by Werner Wiedemann,
GERMAN, per, Z Angew Phys, Vol 15, No 1, 1963,
pp 7-13.
*AEC

Sci/Phy
Feb 69

A Molecular Beam Detector With Electron Impact
Ionisation and Quadrupole Mass Filter, by
H. G. Bennewitz, R. Wedemeyer.

GERMAN, per, Zeitschrift fuer Physik, Vol CLXXII,
1963, pp 1-18.

SLA π -66-11074

AERE, Harwell - T-964

Sci - Phys

May 63

On Spectroscopic Measurement of Temperature
and Density of Plasmas Without Thermodynamic
Equilibrium, by H. W. Drawin.
GERMAN, per, Zeitschrift fuer Physik, Vol 172,
1963, pp 429-452.
NTC-71-15544-201

Feb 72

Determination of the Material Functions of a Nitrogen
Plasma at Atmospheric Pressures Up to 15,000° K,
by G. Schmitz, H. J. Patt.
GERMAN, per, Z fuer Physik, Vol CLXXI, 1963,
pp 449-462.
NASA TT F-8457

Sci - Phys
Mar 64
U. S. GOVERNMENT ONLY

251,955

HEC (LA-tr-72-4) EXPANSION OF THE SIEGERT
THEOREM FOR beta TRANSITIONS. Eichler, Joerg. Trans-
lated by Alois David Cernicek (Los Alamos Scientific Lab.,
N. Mex.), from Z. Phys.; 171: 463-75(1963). 19p. Dep.
NTIS,

Physics (nuclear); translations 20H

MN-34 P NSA

Hyperfine Structure Splitting in Holmium
Isolanthates, by S. Thoenen.
Chemical Abstr., part (Sci. of Phys.) Vol CLXXII,
pp 312-319, 1963
IND 75-71-11

Sci-Phys
Sept 63

290,011

Magneto-Optical and Optical Properties of
Ferromagnetic Layers in Infrared, by R. H. Clemons,
J. Jaumann.

GERMAN, per, Zeitschrift fur Physik, Vol CLXXIII,
No 2, 1968, pp 135-143.

*SLA/A-132

Sci - Phys
Jul 68

Study of Complex and Covalent Iron Compounds Using
the Mössbauer Effect, by W. Kerler, W. Newirth,
et al.
GERMANY, *Ann. Physik*, Vol CLXXIII, No 3,
1968, pp 321-346.

REF: AER 1026

Sci-Phys
Nov 68

TT-64-14630

Hasse, J. and Lüders, K.
THE INFLUENCE OF LATTICE DEFECTS ON
SUPERCONDUCTING TRANSITION TEMPERATURE
OF THALLIUM. [1968] 17p 23refs
Order from SLA \$1.60 TT-64-14630

I. Hasse, J.
H. Lüders, K.

Trans. of Zeitschrift für Physik (West Germany) 1968,
v. 173, p. 413-421. (Abstract available)

DESCRIPTORS: *Thallium, Wire, Deformation,
*Superconductivity, Transition temperature, *Crystal
lattice defects, Cryogenics

The residual resistance of very pure thallium wires
was increased by plastic deformation at liquid helium
temperatures. The accompanying changes in the super-
conducting transition temperature were measured.
With gradually growing resistance ratio the transition
temperature decreases by some hundredths of a degree.
(Physics--Solid State, TT, v. 11, no. 9) (over)

Office of Technical Services

Backscattering of Electrons in the Energy Range
From 60 to 100 keV, by J. K. Bienlein.
GERMAN, per, Zeitschrift fur Physik, No 174, 1963,
pp 91-101.
*AFCL

Sci/Phys
Feb 70

The Influence of OH Ions on the Absorption Spectrum
and the Ion Conductivity of KCl Single Crystals, by
B. Fritz, F. Luty, et al.
GERMAN, per, Z fuer Physik, Vol CLXXIV, 1963,
pp 240-256.
NASA TT F-8861

Sci-Phys

Jul 64

U.S. GOVERNMENT ONLY

260,968

Febel, A. and Knop, G.
THE ANGULAR DEPENDENCE OF BREMSSTRAHLUNG
ENERGY LOSS OF 1 MEV ELECTRONS. [1963] [11p]
10refs
Order from SLA \$2.60 TT-64-14126

Trans. of Zeitschrift für Physik (West Germany) 1963,
v. 174 [no. 2] p. 257-268.

(Physics, TT, v. 12, no. 1)

TT-64-14126

L. Febel, A.
H. Knop, G.

Office of Technical Services

Lorentz-Transformation of Heat and Temperature, by
H. Ott, 35 pp.
GHEMAN, per, Z fuer Physik, Vol CLXXV, 1963,
~~pp 70-104~~ pp 70-104. 9222222
ARC-Tr-26325

Sci-Phys
Jun 64

259,755

The Superconductivity of Ti- and Zr-Bi-Alloys,
by Ch. J. Booth, C. A. Anderson, 11 pp.
GUTHRIE, per. J. Inst. Phys., Vol CLXIV, 1963,
pp 1101-114. 9218690
AEC-ORNL-Tr-113

Sci-Phys
Lang 65

279,438

Reflection Experiments With Electromagnetically
Produced Compression Pulses, by Wilhelm Fuchs,
Rolf Themenhaus, 5 pp.
GERMAN, per, Z fuer Physik, Vol CLXXV, 1963,
pp 257-263.
Navy Tr 3927/NEL 988

Sci - Electron, Phys
Oct 64

268,005

Gas-Thermometer Measurements at High Temperature.
2. Determination of the Thermo-Dynamic Temperature
of Fixed Points Between 419° and 1055° C. by H.

Loser.

GERMAN, per, Zeitschrift für Physik, Vol. 175, No. 3

1953, pp 327-336

CSIRO/No. 6041.

Sci -
July 1957

334-610

Thermal Expansion of quartz Glass in the Temperature
Range of 0° to 1000° C., by J. Otto, W. Thomas.
GERMAN, per, Zeitschrift fur Physik, Vol. 175, No. 5,
1963, pp 337-344.
CSIRO/No. 6840
NTC 70-11666-20L

Sci -
July 1967

334-619

Resonance Scattering at the 15.1 MeV Level in
 ^{12}C , by H. Schmid, W. Scholz.
GERMAN, par, Z fur Physik, Vol CLXXV, 1963,
pp 430-439. 9230574
AEC-SLAC-Tr-20

Sci - Phys
Jan 66

294,307

Electron Spin Resonance Studies of
the Aggregation of F-Centers in
KCl, by M. Schwoerer.
GERMAN, per, Zeitschrift fuer Physik,
Vol 175, 1963, pp 457-479
NTC 72-11920-20F

ANSA TT F - 11,628
GOVERNMENT USE ONLY

June 72

369,124

Absolute Measurement of the Ionization Yield of
Alkali-Atoms on Metal Surfaces: Part I: Potassium
Atoms on Tungsten and Platinum Surfaces, by
Walter Schoen, 25 pp.
GERMAN, per, Zeit Phys, No 176, 1963, pp 237-252.
AEC/SC-Tr-70-4019

Sci/Phy
Jul 70

Anomalous Flow Characteristics of p-n Junctions
in Silicon, by H. J. Queisser.
GERMAN, per, Zeitschrift fuer Physik, Vol 176
1963, pp 313-322.
NTC 71-14064-20L

Feb 72

Further Growth of Plastically Deformed NaCl
Crystals, by Z. Gyulai, 15 pp.
GERMAN, per, Z fur Physik, Vol CLXXVI, 1963,
pp 370-379.
Dept of Navy 4543/NRL Tr 1048

Sci - Chem
Mar 66

297,798

Measurement of the Displacement Energy of a Lattice
Atom in A^{III}B^V-Compounds by Electron Collision, by
R. Bauerlein, 15 pp.
GERMAN, per, Z fuer Physik, Vol CMLXXVI, 1963,
pp 498-509. 9221938
AEC-AI-Tr-36

FTD-TT-65-685

Sci-Phys
May 64

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Electric Quadrupole Moment of the 14.4 ke V-Level
of Fe^{57} , by H. Eicher, 8 pp.
GERMAN, per, Z fur Physik, 171, 1963, pp 582-589.
ARM/RSIC-Tr-931-69
GOVERNMENT USE ONLY

~~TS~~

Sci/Phy
Jul 69

383,321

Agency: Picatinny Arsenal
P.O. Bldg. 66-70 a

H-11073-D
24 Nov. 69

Title: Bestimmung von Oszillatorenstufen...
pp. 257 to 268. (1964).

Author: Hulpke, E., et al.

Source: Zeitschrift für Physik. Vol. 177.

Language: German. 12pp

Special instruction: Please translate & type 1 copy only.

Reflection Experiments With Electromagnetically
Produced Compression Collisions of Higher Mach
Numbers, by Wilhelm Fucks, Rolf Theenhaus, 7 pp.
GERMAN, per, Z fuer Physik, Vol CLXXVII, 1964,
pp 269-273,
Navy Tr 3937/NRL 994

Sci - Phys
Nov 64

268,691

Simple Model for the Interpretation of Thermoluminescence and Thermally Stimulated Conductivity of Alkali Halides, by P. Braunlich, A. Scharsmann. GERMAN, per, Zeit fur Physik, Vol 177, No 3, 1964, pp 36-320
INSDOC/T 7221

Sci -
Aug 67

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On the Kinetics of Formation of the
F-aggregational Centers in KCl. Part I.
The Association of F-centers with Monovalent
Impurity Cations (FA-center Formation),
by H. Martel, Fritz Luty.
GERMAN, per, Z fuer Physik, Vol CLXXVII,
1964, pp 369-384.
*Dist Navy Tr/NRL

Sci - Phys
Apr 65

278,242

Theory of Propagation of X-Rays and Field Rays
in the Weakly Deformed Crystal Lattice,
by U. Bonse.
GERMANY, per, Z fuer Physik, Vol CLVII, 1964,
pp 385-423. 9230564
AEC-ORNL-Tr-791

Sci - Elec
Dec 65

292,807

Agency: Naval Research Lab.

P.O.# 00173-9:006248

R-10, 117-D
5 Feb. 1969

Author: W. Hink

Title: The absolute intensity of K_{α} radiation produced by electron bombardment in a thick Cu target.

Source: Zentr. für Physik, 177 (1964), 424-440.

Language: German 17 pages

Instructions: Translate and type one neat copy;
leave sufficient space for figures and Eqs.;
references may be grouped at end.

Measurement of Extremely Small Amplitude Vibrations
of Plates by Means of Light Beam Modulation,
by G. Sauerbrey, 21 pp.
GERMAN, per, Z Physik, Vol 178, 1964,
pp 457-471/
ARM/RSIC-Tr-1023-70
GOVERNMENT USE ONLY

Sci/Phy
Dec 70

Strong Deflection of X-Ray Wavefield Rays in
Elastically Deformed Crystals, by U. Bonse,
18 pp.
GERMAN, por, Zeitschrift fur Phys., Vol CLXXVII,
1964, pp 520-542, 9230421.
AEC ORNL-tr-792

293,002

Sci-Phys
Nov 65

Contrast at Dislocations in the X-Ray Photo-
graph, by U. Bonse.
GERMANY, per, Z fuer Physik, Vol CLVII, 1964,
pp 543-561. 9230565
AEC-ORNL-Tr-793
CSIRO/NO 7443

Sci - Elec
Dec 65

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Mean Energies and Drift Velocities of Electrons in
Nitrogen, Argon and Xenon, Determined by Image
Intensifier Photographs of Electron Avalanches,
by K. H. Wagner, 31 pp.
GERMAN, per, Zeitschrift fur Physik, Vol CLXXVIII,
1964, pp 64-81, 9230321.
AEC SLAC-tr-19

292,944

Sci-Electronics
Nov 65

The Superconductivity of Ternary B-Titanium
Alloys, by Ch. J. Raub, 6 pp.
GERMAN, per, Zeit. Fuer Physik, 178,
1964, pp. 216-220.
CIA X-7250

AEC/JUC RL-TR-1409-70

June 70

Ultrared Absorption and Phonon-Free Transitions
in Radiation-Discolored LiF, by Wolf von der Osten,
Wilhelm Waidelich, 12 pp.
GERMAN, per, Z fuer Physik, Vol CLXXVIII, 1964,
pp 244-252. 9225848
AEC-SC-T-64-1609

Sci-Phys
Dec 64

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Measurements of the Vibration of Plates
Having Extremely Small Amplitudes by
Modulation of a Light Beam, by
G. Sauerbrey.

GERMAN, per, Zeitschrift fuer Physik,
Vol 178, 1964, pp 457-471.

NIC 72-11206-20K

HRM/RSIC -1023 -70
GOVERNMENT USE ONLY

May 72

Differential ~~Cross~~ Cross-Sections for the Interaction of
Neutral Molecules. ~~ME~~ Measurement of the Small
Angle Scattering, by R. Hellmuth, H. Pauly.
GERMAN, per, Z fuer Physik, Vol CLXXIX, 1964,
pp 16-37.
NASA TT F-9156

Sci-Phys
Jan 65

U.S. GOVERNMENT ONLY

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On the Pictures of Magnetization Structure
Obtained with the Faraday and Kerr Effects,
by H. Lambeck.
GILMAN, per, Zett. für Physik, Vol 179,
No 2, pp 161-161, 1964 9229399
ABC NP-TT-1232

Sci-Phys
Nov 65

291,968

Comment on the Multiple Emission of Secondary
Electrons, by R. Kollath, K. H. Simon.
GERMAN, per, Z fur Physik, Vol. CLXXIX, 1964,
pp 274, 275. P911083966
AEC-ORNL-tr-1266

Sci - Elec
Jul 66

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Investigations on the Multiple Emission of
Secondary Electrons, by Peter Haussler.
GERMAN, per, Zeitschr. f. Physik, Vol 179,
1964, pp 276-284. P911068866
AEC ORNL-tr-1267

Sci/Physics
Oct 66

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Photodielectric Effect in Cadmium Sulphide
Crystals, by I. Broser & P. Brumm, 14 pp.
GERMAN, per, Zeitschrift für Physik, Vol 179,
1964, pp 367-378. P500092468-V
Dept of Navy NIC tr 2592

Sci/Phys
June 68

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Functional Mean Values in the Statistical
Theory of Quantum Mechanical and Classical Many-
Particle Systems, by Johannes Zittartz.
GERMAN, per, Zeit fuer Physik, Vol CLXXX,
1964, pp 219-254. 9696560
DDC HSIC 391

Sci-Phys
Nov 65

292,876

The Question of the Ground Level of the ...
by P.P.A. KERNBERG.
GERMANY, per, 2. Inst. Physik, Vol CLARA, No 2, 1964,
pp 114-177.

PAGE NP-6 1273

Sci-Pige
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Functional Averages in the Statistical Theory of
Quantum Mechanical and Classical Systems of Many
Particles, by Johannes Kitzert.
GELLMAN, par. 2. Ann. Phys., Vol CLXXX, 1964,
pp 219-254.
*Funktionen Arzonal

Sci-Phys
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The Resolving Power of the Electrostatic-
magnetic Energy Analyzer for Fast Electrons,
by H. Boersch, J. Geiger, et al, 17 pp.
GERMANY, per. Z fur Physik, Vol CLXXX, 1964,
pp 415-424.
Dept of Navy Tr 4280/ARL 1029

Sci - Elec
Oct 65

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On the Dependence of Initial Recombination
on the Ion Distribution, by Heinrich Georg
Ebert, § PP.
GERMAN, per, Zeitschrift für Physik, Vol 181,
1964, pp 181-186. P942075267
INF Canada T 116 G
Oct 66

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Sci - Physics
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Recombination of Ions in Air and Oxygen, by
Heinrich Georg Ebert, Jochen Booz, Reinhard
Koenig, 7 pp.
OSTMAN, per, Zeitschrift für Physik, Vol 181,
1964, pp 187-195. P 942096957
DRI/Canada T 115 G

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Sci - Physics
K7

Material Functions of Arc Plasmas from Characteristic
Measurements, by A. Garcia-Monterde.

GERMAN, per, Zeitschrift fuer Physik, Vol 181, 1964,
pp 317-330.

NTC-71-11961-20I

Nasa TTF 10, 269

Nov 71

Scattering of 25-ke V Electrons on
Gases. III. Scattering on Molecular
Hydrogen, by J. Geiger.
GERMAN, per, Z. Physik, Vol CLXXXI,
1964, pp 413-425.

NASA TT F-8783

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Sci-Phys/
May 66

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Facilities for Electron Scattering below 60 MeV,
by F. Giddon, G. Fricke, et al, 36 pp.
GERMAN, per, Z fur Physik, Vol CLXXXI, 1964,
pp 453-478.
Dept of Navy Tr No 4309/NRL Tr No 1031

Sci - Elec
Nov 65

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Preparation and Superconductivity Characteristics of Nb-3n Multivires, by D. Koch, H. Speidel, et al,
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GERMAN, per, Zeitschrift fur Physik, Vol
CLXXX, 1964, pp 476-482. P2X0111867
RSIC-648

Sci-Phys
May 67

326,169

On the Kinetics of Formation of the F-aggregation centers
in KCl. Part II. The Association of F-centers with
Bivalent Impurity Cations (A_1 -center Formation),
by Harrel, Fritz Lutz, 23 pp.
GEHMAN, per, Z. fuer Physik, Vol CLXXXII, 1964,
pp 111-122.
Dept of Navy Tr 4129/NRL Tr No 1020

Sci - phys
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